#4

COPY OF PAPERS ORIGINALLY FILED

SEQUENCE LISTING

<110> Kandimalla, Ekambar R.
Agrawal, Sudhir

<120> Cooperative Oligonucleotides

<130> 47508-580 (HYZ-027CIP)

<140> US 10/054,429
<141> 2002-01-22

<150> US 08/420,672
<151> 1995-04-12

<160> 30

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 1
ctcgcaccc 9

<210> 2
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 2
atctctctcc tt 12

<210> 3
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 3
tctctctcct tc 12

<210> 4
<211> 12
<212> DNA
<213> Artificial Sequence
<220>

<223> cooperative oligonucleotide

<400> 4
ctctctcctt ct 12

<210> 5
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 5
ctcgcaccca tctctctcct t 21

<210> 6
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 6
ctcgcacccg tctctctcct tc 22

<210> 7
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 7
ctcgcacccg cctctctcct tct 23

<210> 8
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 8
atctctctcc ttc 13

<210> 9
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide
<400> 9
cggatctctc tcctt 15

<210> 10
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 10
cggtctctct ccttc 15

<210> 11
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 11
ccggtctctc tccttc 16

<210> 12
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 12
gccggtctct ctccttc 17

<210> 13
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 13
gcgccggtct ctctccttc 19

<210> 14
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 14
ctcgcacccc cg 12
<210> 15
<211> 13
<212> DNA

<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 15
ctcgcacccc cgg 13

<210> 16
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 16
ctcgcacccc cggc 14

<210> 17
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 17
ctcgcacccc cggcgc 16

<210> 18
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 18
ctctcaccc 9

<210> 19
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 19
ctctcaacc 9

<210> 20
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> cooperative oligonucleotide

<400> 20
ctctcgcacc catctctctc cttct 25

<210> 21
<211> 27
<212> DNA
<213> HIV-1

<220>
<223> cooperative oligonucleotide

<400> 21
ctagaaggag agagatgggt gcgagag 27

<210> 22
<211> 39
<212> DNA
<213> HIV-1

<220>
<223> cooperative oligonucleotide

<400> 22
agaaggagag agaugggugc gagagcguca guauuaagc 39

<210> 23
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 23
ctctcaccca tctctctcct t 21

<210> 24
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 24
ctctcaacca tctctctcct t 21

<210> 25
<211> 9
<212> DNA
<213> Artificial Sequence
<220>
<223> cooperative oligonucleotide

<400> 25
ctcgcaccc 9

<210> 26
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 26
atctctctcc tt 12

<210> 27
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 27
tctctctcct tc 12

<210> 28
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 28
tctctccttc ta 12

<210> 29
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 29
ctcgcacccc cg 12

<210> 30
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> cooperative oligonucleotide

<400> 30
cggtctctct ccttctc 17